07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OK

Robert S. Kerr Reservoir Basin
Illinois Subbasin

LOCATION.--Lat 35°55′22″, long 94°55′24″ referenced to North American Datum of 1927, in SE ¼ NE ¼ sec.26, T.17 N., R.22 E., Cherokee County, OK, Hydrologic Unit 11110103, near center of channel on downstream side of pier of bridge, 0.2 mi downstream from U.S. Highway 62, 2.2 mi northeast ofTahlequah, 6.5 mi upstream from Baron Fork, and at mile 55.8.

DRAINAGE AREA.--959 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1935 to current year. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1117: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 664.14 ft, U.S. Army Corps of Engineers datum. Prior to Feb. 23, 1939, nonrecording gage.

REMARKS.--Records good except for estimated periods which are poor. U.S. Army Corps of Engineers' satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of January 1916 reached a stage of about 26 ft.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,000 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 18	1600	15,400	12.52
Mar 4	2200	11,500	10.94
Mar 20	0100	*61,800	*22.29
Apr 2	0600	18,600	13.61
Apr 11	1600	37,200	18.49
Apr 25	1100	11,500	10.97
Sep 15	2200	13,700	11.90

07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OK—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	238	292	220	382	333	1,010	12,300	1,950	918	948	576	426
2	240	278	218	363	336	956	12,800	1,760	3,070	829	551	413
3	435	271	218	349	336	1,870	5,160	1,640	3,500	759	526	486
4	932	262	215	332	333	7,430	4,190	1,580	2,060	721	497	2,170
5	1,510	253	208	327	328	6,610	4,890	1,410	1,480	962	467	6,760
6	1,000	240	206	324	339	3,690	3,500	1,280	1,220	1,480	443	3,460
7	755	232	206	333	e600	2,670	2,830	1,220	1,070	1,270	427	2,170
8	624	227	206	1,480	e890	2,100	2,850	1,360	942	1,170	419	1,620
9	558	222	207	3,040	718	1,800	4,080	1,490	2,040	1,370	734	1,310
10	568	223	244	1,950	630	1,570	9,820	1,410	6,290	4,720	1,030	1,120
11	617	231	370	1,450	574	1,380	29,900	1,280	4,620	4,860	2,790	1,010
12	532	232	911	1,160	559	1,240	12,700	1,370	2,850	3,830	2,610	946
13	469	232	1,330	987	617	1,140	6,070	1,200	2,000	3,120	1,500	911
14	422	239	1,350	854	804	1,060	4,540	1,080	1,660	5,940	1,120	4,470
15	395	240	1,210	753	773	1,000	3,610	1,070	1,580	3,530	929	10,100
16	367	247	1,140	674	823	943	3,080	1,160	2,710	2,420	850	6,310
17	394	240	1,290	619	4,990	897	2,760	1,390	3,490	1,850	913	3,050
18	442	238	1,150	574	12,500	3,000	3,470	1,140	2,560	1,530	824	2,230
19	419	239	997	530	6,060	31,200	3,690	1,010	1,870	1,310	721	1,780
20	416	236	884	497	3,540	39,500	3,240	909	1,830	1,160	656	1,490
21	405	227	793	470	2,640	9,340	2,770	831	1,780	1,050	611	1,300
22	386	221	719	442	2,480	5,870	2,430	774	1,480	964	570	1,150
23	387	222	651	421	2,310	4,510	2,400	727	1,300	903	563	1,040
24	386	219	594	404	1,870	3,640	4,150	690	1,280	845	567	959
25	430	217	545	391	1,640	3,010	8,840	662	1,310	923	717	894
26	431	219	507	377	1,460	2,530	4,730	691	1,160	877	678	829
27	407	220	472	366	1,300	2,190	3,670	804	1,030	783	572	771
28	382	221	455	358	1,180	1,940	2,920	1,500	936	725	513	727
29	357	220	440	344	1,080	1,770	2,520	1,790	873	671	469	686
30	330	219	425	333	---	1,870	2,190	1,240	1,080	630	450	647
31	307	---	406	331	---	2,490	---	980	---	603	430	---
Total	15,541	7,079	18,787	21,215	52,043	150,226	172,100	37,398	59,989	52,753	24,723	61,235
Mean	501	236	606	684	1,795	4,846	5,737	1,206	2,000	1,702	798	2,041
Max	1,510	292	1,350	3,040	12,500	39,500	29,900	1,950	6,290	5,940	2,790	10,100
Min	238	217	206	324	328	897	2,190	662	873	603	419	413
Ac-ft	30,830	14,040	37,260	42,080	103,200	298,000	341,400	74,180	119,000	104,600	49,040	121,500
Cfsm	0.52	0.25	0.63	0.71	1.87	5.05	5.98	1.26	2.09	1.77	0.83	2.13
In.	0.60	0.27	0.73	0.82	2.02	5.83	6.68	1.45	2.33	2.05	0.96	2.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2008, BY WATER YEAR (WY)

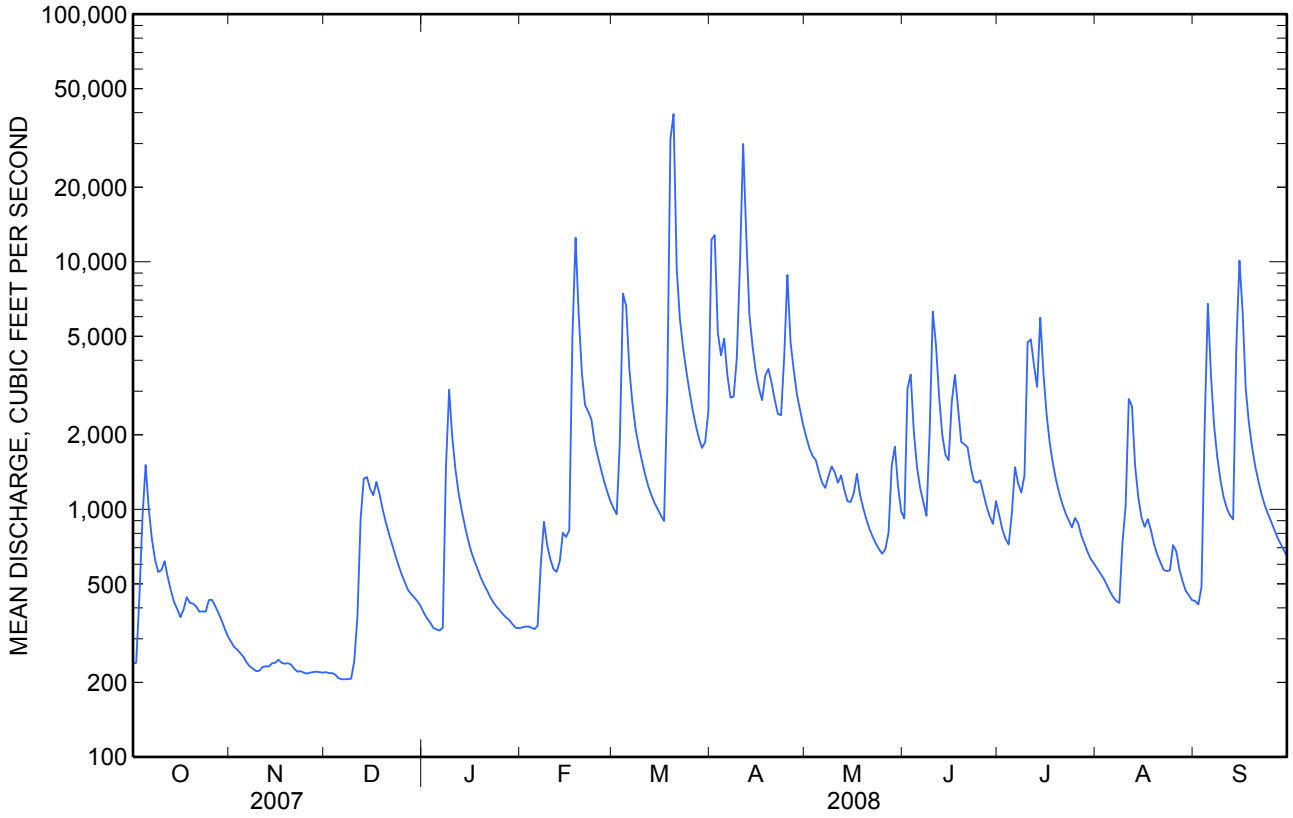
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	515	884	911	900	1,122	1,460	1,604	1,595	1,052	530	357	385
Max	5,222	4,659	4,258	3,969	4,661	6,695	6,864	8,397	5,993	2,491	3,907	2,041
(WY)	(1987)	(1974)	(1993)	(2005)	(1938)	(1945)	(1945)	(1950)	(1974)	(1958)	(1948)	(2008)
Min	7.05	75.3	77.5	74.0	113	147	151	189	80.1	22.9	10.5	3.15
(WY)	(1957)	(1964)	(1956)	(1956)	(1964)	(1940)	(1954)	(1936)	(1936)	(1954)	(1936)	(1954)

07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OK—Continued

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1936 - 2008	
Annual total	268,482		673,089			
Annual mean	736		1,839		941	
Highest annual mean					1,980	1974
Lowest annual mean					193	1954
Highest daily mean	11,300	Jan 15	39,500	Mar 20	90,400	May 11, 1950
Lowest daily mean	138	Aug 17,18	206	Dec 6,7,8	0.10	Oct 10, 1956
Annual seven-day minimum	148	Aug 14	209	Dec 3	0.14	Oct 8, 1956
Maximum peak flow			61,800	Mar 20	[a]150,000	May 10, 1950
Maximum peak stage			22.29	Mar 20	27.94	May 10, 1950
Annual runoff (ac-ft)	532,500		1,335,000		681,800	
Annual runoff (cfsm)	0.767		1.92		0.981	
Annual runoff (inches)	10.41		26.11		13.33	
10 percent exceeds	1,470		3,680		1,920	
50 percent exceeds	472		934		425	
90 percent exceeds	219		246		125	

[a] From rating curve extended above 77,000 ft³/s on basis of slope-area measurement of peak flow.



07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OK—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960-61, 1975-79, October 1989 to August 1995, July 1996 to current year.

REMARKS.--Samples collected periodically. Specific conductance, pH, water temperature, dissolved oxygen, turbidity, and alkalinity were determined in the field.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 8

[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Time	Instantaneous discharge, ft3/s (00061)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf µS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)
Oct													
04...	1420	839	9.4	15	742	8.1	100	8.0	315	--	24.9	110	5
10...	1100	549	2.0	3.6	744	8.4	97	7.7	309	30.1	21.1	120	3
Dec													
06...	1430	208	<2.0	.7	745	11.7	102	8.0	334	4.7	8.5	130	9
13...	1215	1,310	5.3	6.9	748	10.9	95	7.9	312	4.3	8.7	120	16
Jan													
09...	1500	3,110	50	52	742	9.8	90	7.7	207	7.3	10.1	77	13
Feb													
07...	0945	462	E1.4	2.6	729	11.4	96	8.1	322	3.3	6.0	120	32
18...	1415	15,200	400	330	744	10.5	91	7.3	163	11.0	8.0	63	11
Mar													
20...	1100	40,500	320	300	748	9.3	85	7.5	126	17.5	10.6	46	11
Apr													
02...	1515	9,060	120	100	750	5.2	51	6.9	162	18.5	13.9	67	12
11...	1600	37,200	450	530	741	6.6	68	7.0	109	--	15.0	44	4
23...	1215	2,190	4.2	1.0	744	9.6	103	7.8	217	27.0	17.6	85	10
May													
29...	1300	1,410	6.2	6.4	745	8.6	104	7.9	287	31.0	23.7	110	10
Jun													
19...	1145	1,870	6.0	8.2	747	8.3	97	7.5	225	--	22.5	89	9
Jul													
10...	1400	5,690	79	90	747	6.4	76	7.5	194	--	23.3	80	E6
Aug													
12...	1300	2,410	26	26	739	6.7	82	7.7	224	--	23.7	89	E5
Sep													
04...	1455	2,410	24	31	738	7.4	89	7.8	278	23.0	22.8	110	4
16...	1050	5,450	62	55	750	7.6	85	7.3	207	16.2	20.1	84	7

07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 2 of 8
[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Calcium water, fltrd, mg/L (00915)	Calcium water unfltrd recover-able, mg/L (00916)	Magnes-ium, water, fltrd, mg/L (00925)	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Potas-sium, water, fltrd, mg/L (00935)	Potas-sium, water, unfltrd recover-able, mg/L (00937)	Sodium adsorp-tion ratio (00931)	Sodium frac-tion of cations percent (00932)	Sodium, water, fltrd, mg/L (00930)	Sodium, water, unfltrd recover-able, mg/L (00929)	Alka-linity, wat flt inf tit field, mg/L as CaCO3 (39086)	Bicar-bonate, wat flt infl pt titr., field, mg/L (00453)	Carbon-ate, wat flt infl pt titr., field, mg/L (00452)
Oct													
04...	41.2	42.5	2.18	2.17	4.88	4.90	.5	20	13.2	13.9	108	130	<1
10...	44.7	45.6	2.30	2.11	4.55	4.42	.5	17	11.9	12.3	118	142	1
Dec													
06...	48.4	48.9	2.48	2.32	4.24	3.92	.6	20	16.1	15.8	123	148	<1
13...	43.6	43.0	2.29	2.05	4.42	4.01	.6	20	14.3	13.1	103	124	<1
Jan													
09...	28.1	29.4	1.70	1.68	3.47	3.46	.3	14	6.21	5.8	65	78	<1
Feb													
07...	44.8	44.4	2.26	2.19	3.69	3.43	.5	19	13.7	13.3	90	108	<1
18...	22.3	25.6	1.67	2.10	4.35	4.84	.2	12	4.25	4.3	52	63	<1
Mar													
20...	16.0	17.1	1.33	1.65	3.89	4.16	.1	9	2.24	2.1	34	42	<1
Apr													
02...	24.3	25.8	1.57	1.70	3.21	3.42	.2	10	3.71	3.8	55	67	<1
11...	15.6	20.0	1.17	1.82	3.31	4.34	.1	9	2.12	2.2	40	48	<1
23...	31.1	32.7	1.80	1.77	2.83	2.83	.3	12	5.71	5.7	76	92	<1
May													
29...	40.8	39.9	2.09	2.05	3.58	3.80	.3	13	7.64	8.0	101	120	1
Jun													
19...	32.8	35.3	1.79	1.84	3.35	3.42	.3	12	5.73	5.9	81	98	<1
Jul													
10...	29.4	31.2	1.62	1.75	3.92	3.68	.2	11	4.82	4.8	74	E90	<1
Aug													
12...	32.8	34.2	1.73	1.65	3.82	3.59	.3	13	6.18	6.3	84	E102	<1
Sep													
04...	39.4	41.4	2.07	2.17	3.89	4.08	.4	16	9.92	10.3	104	126	<1
16...	30.5	30.9	1.91	1.91	3.90	3.91	.2	11	5.00	5.1	78	94	<1

07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 3 of 8
[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue water, dissolved, tons/d (70302)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L (71856)
Oct													
04...	16.0	15.2	E164	.24	397	175	.28	--	<.020	1.61	7.13	1.61	.012
10...	14.0	13.8	E171	.25	267	180	E.11	E.02	E.012	1.85	8.18	1.85	.009
Dec													
06...	18.3	18.6	E187	.29	118	210	E.10	--	<.020	1.41	6.23	1.41	.007
13...	15.7	17.9	E171	.24	634	179	.25	E.01	E.010	2.51	11.1	2.51	.013
Jan													
09...	7.60	10.5	E109	.18	1,120	133	.59	.04	.030	2.70	11.9	2.70	.021
Feb													
07...	16.1	18.0	E163	.24	221	177	.14	--	<.020	2.40	10.6	2.40	.010
18...	6.09	9.23	E89	.14	4,080	100	2.1	.09	.068	2.13	9.39	2.12	.025
Mar													
20...	2.89	5.70	E60	.10	8,010	73	1.8	.07	.051	1.49	6.55	1.48	.022
Apr													
02...	4.46	8.01	E87	.15	2,660	109	.82	E.02	E.015	1.89	8.35	1.89	.012
11...	2.44	5.13	59	.10	7,030	70	2.1	.04	.032	.979	4.30	.97	.024
23...	7.09	10.5	E116	.19	828	140	<.70	--	<.020	2.56	E11.3	E2.56	E.005
May													
29...	9.21	11.5	E145	.22	613	161	.27	--	<.020	2.15	9.48	2.14	.018
Jun													
19...	6.52	9.02	E116	.18	668	132	.19	--	<.020	1.72	E7.63	E1.72	E.005
Jul													
10...	5.84	7.22	E105	.18	2,060	134	.82	E.02	E.019	1.59	7.03	1.59	.017
Aug													
12...	7.17	8.96	E118	.18	876	135	.31	--	<.020	1.55	6.84	1.54	.010
Sep													
04...	11.3	11.6	E148	.23	1,080	166	.28	--	<.020	1.71	7.54	1.70	.009
16...	5.25	8.07	E109	.18	1,910	130	.52	E.01	E.011	1.67	7.40	1.67	.007

07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 4 of 8
[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Total nitrogen, water, unfltrd mg/L (00600)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L as P (00666)	Phosphorus, water, unfltrd mg/L as P (00665)	Hydrogen ion, water, unfltrd calcd, mg/L (00191)	Organic carbon, water, unfltrd mg/L (00680)	Enterococci, Defined Substr. Tech., water, MPN (99601)	E coli, Defined Substr. Tech., water, MPN/100 mL (50468)	Total coliform, Defined Tech., MPN/100 mL (50569)	Aluminum, water, fltrd, µg/L (01106)
Oct													
04...	.004	--	1.9	.365	.119	.123	.241	.00001	2.3	--	--	--	6.9
10...	.003	E.11	E2.0	.286	.093	.096	.102	.00002	1.4	--	1,100	7,400	1.7
Dec													
06...	.002	--	E1.5	.093	.030	.037	.038	.00001	.9	--	<10	690	E1.3
13...	.004	E.25	2.8	.276	.090	.095	.112	.00001	2.4	100	82	5,200	1.8
Jan													
09...	.007	.56	3.3	.369	.120	.133	.228	.00002	5.3	1,600	12,000	30,000	11.0
Feb													
07...	.003	--	2.5	.093	.030	.037	.040	.00001	1.3	3	12	9,700	E1.6
18...	.008	2.1	4.2	.550	.179	.199	.61	.00005	16.5	>4,800	5,800	92,000	10.7
Mar													
20...	.007	1.7	3.3	.606	.198	.219	.60	.00003	14.5	4,000	9,200	100,000	7.4
Apr													
02...	.004	E.82	2.7	.361	.118	.128	.302	.00012	6.8	5,700	6,200	92,000	21.8
11...	.007	2.0	3.1	.550	.179	.187	.64	.00009	16.9	9,700	14,000	200,000	48.5
23...	E.001	--	--	.203	.066	.069	.080	.00002	1.6	3	21	6,100	2.8
May													
29...	.005	--	2.4	.239	.078	.082	.103	.00001	2.0	4	41	7,700	2.7
Jun													
19...	E.002	--	1.9	.279	.091	.091	.104	.00003	2.2	13	85	11,000	4.0
Jul													
10...	.005	E.82	2.4	.509	.166	.172	.344	.00003	7.0	>4,800	1,500	>240,000	7.3
Aug													
12...	.003	--	1.9	.367	.120	.121	.166	.00002	3.4	80	110	24,000	3.4
Sep													
04...	.003	--	2.0	.263	.086	.093	.135	.00002	2.8	150	210	24,000	4.8
16...	.002	E.52	2.2	.344	.112	.122	.212	.00005	3.2	330	430	40,000	6.5

07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 5 of 8
[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Aluminum, water, unfltrd recoverable, µg/L (01105)	Antimony, water, fltrd, µg/L (01095)	Antimony, water, unfltrd µg/L (01097)	Arsenic water, fltrd, µg/L (01000)	Arsenic water, unfltrd µg/L (01002)	Barium, water, fltrd, µg/L (01005)	Barium, water, unfltrd recoverable, µg/L (01007)	Beryllium, water, fltrd, µg/L (01010)	Beryllium, water, unfltrd recoverable, µg/L (01012)	Cadmium water, fltrd, µg/L (01025)	Cadmium water, unfltrd µg/L (01027)	Chromium, water, fltrd, µg/L (01030)	Chromium, water, unfltrd recoverable, µg/L (01034)
Oct													
04...	242	E.10	E.1	.69	.82	52	55.0	<.01	E.03	.05	.03	<1	<1
10...	40	E.09	E.1	.58	.65	55	53.3	<.01	<.04	<.04	E.01	<1	<1
Dec													
06...	13	<.14	<.1	.34	E.36	48	48.4	<.01	<.04	<.04	<.01	<1	<1
13...	124	E.08	<.1	.48	E.42	47	47.0	<.01	<.04	<.04	.02	<1	<1
Jan													
09...	694	<.14	<.1	.42	.96	33	46.9	<.01	.08	<.04	.04	<1	M
Feb													
07...	34	<.14	<.1	.30	E.43	44	42.8	<.01	<.04	<.04	E.01	<1	<1
18...	4,330	E.07	E.1	.72	3.0	28	114	<.01	.58	<.04	.19	<1	5
Mar													
20...	4,090	<.14	E.1	.80	2.9	21	102	<.01	.54	<.04	.17	<1	5
Apr													
02...	1,670	<.14	E.1	.59	1.5	31	61.7	<.01	.21	<.04	.06	<1	2
11...	5,170	E.08	.1	.87	3.5	22	133	<.01	.70	<.04	.26	<1	8
23...	100	<.14	<.1	.37	E.49	38	42.5	<.01	<.04	<.04	E.01	<1	<1
May													
29...	115	E.09	E.1	.54	E.60	50	50.9	<.01	<.04	<.04	.03	<1	<1
Jun													
19...	146	E.07	E.1	.55	.66	42	46.1	M	<.04	<.04	E.01	<1	<1
Jul													
10...	1,010	E.08	<.1	.74	1.3	38	59.9	<.01	.14	<.04	.05	<1	2
Aug													
12...	419	E.09	E.1	.69	.94	42	47.3	<.01	.05	<.04	.02	<1	M
Sep													
04...	414	<.14	<.1	.52	.81	47	59.1	<.01	.05	<.04	<.01	<1	M
16...	779	E.07	E.1	.69	1.2	42	56.2	<.01	.09	<.04	.04	<1	1

07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 6 of 8
[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Cobalt water, fltrd, µg/L (01035)	Cobalt water, unfltrd recover -able, µg/L (01037)	Copper, water, fltrd, µg/L (01040)	Copper, water, unfltrd recover -able, µg/L (01042)	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd recover -able, µg/L (01045)	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan- ese, water, fltrd, µg/L (01056)	Mangan- ese, water, unfltrd recover -able, µg/L (01055)	Molyb- denum, water, fltrd, µg/L (01060)	Molyb- denum, water, unfltrd recover -able, µg/L (01062)	Nickel, water, fltrd, µg/L (01065)
Oct													
04...	.20	.47	6.6	E.97	E6	302	.60	.56	3.5	33.3	1.0	.9	1.2
10...	.14	.17	E.52	4.6	<8	56	E.04	.10	2.4	6.8	.8	.8	.77
Dec													
06...	.16	.11	<1.0	<1.2	<8	12	E.04	<.06	1.2	1.8	.7	.7	1.2
13...	.20	.42	E.65	<1.2	9	132	<.08	.23	1.6	14.5	.7	1.4	1.7
Jan													
09...	.09	.74	1.1	5.7	21	758	E.05	1.43	4.1	68.0	.5	.4	.70
Feb													
07...	.18	.19	<1.0	<1.2	E5	34	<.08	.06	.8	3.2	.7	.6	.87
18...	.13	5.3	1.4	8.1	53	5,100	E.07	10.2	4.4	553	.5	.2	1.0
Mar													
20...	.09	4.9	3.0	7.3	30	5,070	.08	9.71	2.1	512	.3	.2	1.1
Apr													
02...	.10	1.8	1.3	4.7	52	1,880	E.07	3.52	4.2	164	.4	.3	.83
11...	.09	6.3	2.0	9.0	97	6,620	.10	13.3	2.3	626	.4	.2	1.1
23...	.07	.08	<1.0	<1.2	<8	111	E.05	.41	4.2	10.4	.4	.4	.47
May													
29...	.13	.22	E.72	E.96	E5	150	<.08	.25	4.2	17.6	.7	.7	.78
Jun													
19...	.09	.20	E.63	E.67	E7	174	<.08	.32	3.6	17.1	.5	.5	.67
Jul													
10...	.09	1.4	1.2	2.7	24	1,400	E.07	2.57	2.3	133	.5	.4	.85
Aug													
12...	.11	.44	E.79	1.2	E7	438	<.08	.77	3.2	40.1	.6	.6	.68
Sep													
04...	.11	.62	<1.0	E.98	E7	568	<.08	1.01	4.4	58.8	.7	.7	.71
16...	.09	.95	E.93	2.0	18	1,010	<.08	1.74	3.6	84.9	.5	.4	.89

07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 7 of 8
[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Nickel, water, unfltrd recover-able, µg/L (01067)	Selen-ium, water, fltrd, µg/L (01145)	Selen-ium, water, unfltrd µg/L (01147)	Silver, water, fltrd, µg/L (01075)	Silver, water, unfltrd recover-able, µg/L (01077)	Thall-ium, water, fltrd, µg/L (01057)	Thall-ium, water, unfltrd µg/L (01059)	Vana-dium, water, fltrd, µg/L (01085)	Vanad-dium, water, unfltrd µg/L (01087)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover-able, µg/L (01092)	Suspnd. sedi-ment, sieve diametr percent <62.5um (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
Oct													
04...	1.9	.23	.19	<.1	<.02	<.04	<.08	.98	1	5.1	2.7	82	37
10...	.94	.22	.20	<.1	<.02	<.04	<.08	.86	E1	E1.7	<2.0	72	6
Dec													
06...	.86	.18	.14	<.1	<.02	<.04	<.08	.38	<1	<1.8	<2.0	22	2
13...	17.4	.27	.23	<.1	<.02	<.04	<.08	.50	<1	E1.3	E1.6	86	13
Jan													
09...	1.6	.25	.30	<.1	<.02	<.04	E.04	.51	2	E1.5	3.9	85	80
Feb													
07...	.75	.20	.20	<.1	<.02	<.04	<.08	.29	M	E1.2	<2.0	71	4
18...	8.7	.33	.42	<.1	.06	<.04	E.08	.79	10	E1.7	26.5	88	588
Mar													
20...	8.4	.22	.37	<.1	.06	<.04	E.06	.84	10	E1.4	25.5	96	490
Apr													
02...	3.6	.32	.33	<.1	E.02	<.04	<.08	.73	5	E1.3	9.9	84	191
11...	10.0	.19	.36	<.1	.06	<.04	.10	.97	13	2.4	33.0	96	638
23...	.52	.25	<.08	<.1	<.02	<.04	<.08	.55	E1	E.96	<2.0	97	9
May													
29...	.89	.18	.15	<.1	<.02	<.04	<.08	.79	M	E1.5	E1.0	89	13
Jun													
19...	.68	.19	.14	<.1	<.02	<.04	<.08	.75	M	E1.6	<2.0	98	13
Jul													
10...	2.7	.20	.20	<.1	E.01	<.04	<.08	1.0	4	2.3	7.4	97	137
Aug													
12...	1.1	.20	.20	<.1	<.02	<.04	<.08	.99	2	<1.8	2.4	99	34
Sep													
04...	1.3	.15	.15	<.1	<.02	<.04	<.08	.76	2	<1.8	2.2	90	71
16...	2.2	.29	.28	<.1	E.01	<.04	<.08	.93	3	<1.8	4.1	89	90

07196500 ILLINOIS RIVER NEAR TAHLEQUAH, OK—Continued

WATER-QUALITY DATA WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 8 of 8

[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Suspended sediment discharge, tons/d (80155)
Oct	
04...	84
10...	8.9
Dec	
06...	1.1
13...	46
Jan	
09...	672
Feb	
07...	5.0
18...	24,100
Mar	
20...	53,600
Apr	
02...	4,670
11...	64,100
23...	53
May	
29...	49
Jun	
19...	66
Jul	
10...	2,100
Aug	
12...	221
Sep	
04...	462
16...	1,320